



# CURRICULUM VITAE

**M.M.M. Najim**

**Ph.D. (UPM, Malaysia), M.Eng. (AIT, Thailand),  
B.Sc. Agric. (Peradeniya, Sri Lanka)**

**Vice Chancellor, South Eastern University of Sri Lanka  
Professor in Environmental Conservation and Management**

**Google Scholar:**

<http://scholar.google.com/citations?user=GMi0W8MAAAAJ&hl=en&oi=ao>

**Citations – 304, h-index – 8 and i10-index – 6 (On 26<sup>th</sup> December 2018)**

**ResearchGate: [https://www.researchgate.net/profile/Najim\\_MMM/](https://www.researchgate.net/profile/Najim_MMM/)**

## PERSONAL INFORMATION

**Name** Professor Dr. M.M.M. NAJIM

**Full Name** Mohamed Mujithaba Mohamed NAJIM

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Vice Chancellor, South Eastern University of Sri Lanka, P.O. Box. 01,  
University Park, Oluvil. SRI LANKA.

**Office**  
Department of Zoology and Environment Management, Faculty of Science,  
University of Kelaniya, Kelaniya. Sri Lanka.

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51/24 A, Rajagiriya Road, Rajagiriya10107. SRI LANKA.

**Date of Birth** 06<sup>th</sup> March 1968

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## QUALIFICATION FOR TEACHING

**Bachelor** **Bachelor of Science in Agriculture (B.Sc. Agric. Hons.)** - December 1994,  
Faculty of Agriculture, University of Peradeniya, Peradeniya. Sri Lanka.

Research Project entitled in the final year : Recommendation of Soil Conservation Measures to Wavehena Settlement Scheme"

**Grade:** First Class

**Master**

**Master of Engineering in Irrigation Engineering and Management**– 200 from the School of Civil Engineering (Water Engineering and Management Program), Asian Institute of Technology, Thailand.

Master thesis: "Assessment of the AGNPS model for a tropical watershed, Chanthaburi, Thailand."

Cumulative GPA is 3.74 and the first ranker in the class.

The grade for the master thesis is EXCELLENT.

**Awards:** Hisamatzu Prize for the outstanding performance in the field of study Irrigation Engineering and Management, 2000.

**Doctoral**

**Ph.D. in Water Resources Engineering** – 2004 from University Putra Malaysia (Dept. of Biological and Agricultural Engineering, Faculty of Engineering), Malaysia.

Ph.D. thesis : "Integrated Water Management Decision Support System for Seberang Perak Paddy Estate"

### **WORKING EXPERIENCE**

- Vice Chancellor of the South Eastern University of Sri Lanka from 10 August 2018 – to date
- Vice Chancellor of the South Eastern University of Sri Lanka from 22 July 2015 – 18 July 2018
- Professor in Environmental Conservation and Management at the Faculty of Science, University of Kelaniya, Kelaniya, SRI LANKA from 29 June 2012 - to date.
- Senior Lecturer Gr. II at the Faculty of Science, University of Kelaniya, Kelaniya, SRI LANKA from 01.08.2007 to 28 June 2012.
- Senior Lecturer Gr. II at the Department of Agricultural Engineering, Faculty of Agriculture, University of Peradeniya, Peradeniya, SRI LANKA from 23.04.2006 to 31.07.2007.
- Lecturer at the Department of Agricultural Engineering, Faculty of Agriculture, University of Peradeniya, Peradeniya, SRI LANKA from 02.02.2001 to 22.04.2006.
- Lecturer (Probationary) at the Department of Agricultural Engineering, Faculty of Agriculture, University of Peradeniya, Peradeniya, SRI LANKA from 02.02.1998 to 01.02.2001.
- Graduate research assistant in conducting laboratory classes for Applied Hydraulics, Faculty of Engineering, University Putra Malaysia (during 2002-2004).
- Probationary Lecturer at the Dept. of Natural Resources, Faculty of Applied Sciences, Sabaragamuwa University of Sri Lanka, Uva Campus, Buttala, SRI LANKA from 01.08.1996 to 31.01.1998

- Temporary Asst. Lecturer at the Department of Agricultural Engineering, Faculty of Agriculture, University of Peradeniya, Peradeniya, SRI LANKA from 01.04.1995 to 31.07.1996.
- Student assistant at Asian Institute of Technology to collect weather data from the meteorological station, Asian Institute of technology, Thailand, from 01.10.1998 to 31.03.2000.
- Student assistant in conducting lab and field practical classes for the students from ITB, Indonesia, at the Water Engineering and Management division, Asian Institute of Technology, Pathumthani 12120, Thailand.
- Appointed as a lecturer under the board of study – Agricultural Engineering, at the Postgraduate Institute of Agriculture, University of Peradeniya, Peradeniya. Sri Lanka from 2000 to 2005

### **POSTGRADUATE SUPERVISION**

***Ph.D.  
Completed***

- Co-supervisor of the Ph.D. degree of Dr. K.P.L. Nishantha – Title of the study “Environmental and Socio-economic changes due to renovation of small tanks in dry-zone in Sri Lanka – A case study in Galgamuwa Divisional Secretariat Division”, Faculty of Graduate Studies, University of Kelaniya.
- Co-supervisor of the Ph.D. degree of Dr. K.A.R.S. Perera – Title of the Thesis “Characterization of mangrove ecosystems in Negombo estuary as a carbon source”, Faculty of Graduate Studies, University of Kelaniya.
- Co-supervisor of the Ph.D. degree programme of Mrs. J.M. Asoka – Title of the thesis “Performance of polyculture of Giant freshwater prawn and Rohu in earthen ponds and seasonal tanks”, Faculty of Graduate Studies, University of Kelaniya.

**Ph.D. Ongoing**

- Main supervisor of the Ph.D. degree programme of Ms. B.R.C. Mendis– Tentative Title of the Thesis “Bioaccumulation of heavy metal in water, sediment and muscle tissues of selected edible fish and crab species at Negombo estuary, Sri Lanka”, School of Graduate Studies, University of Colombo.
- Co-supervisor of the Ph.D. degree programme of Mr. N.W.B.A.L. Udayanga, Tentative Title of the Thesis “Establishment of a Geographic Information System (GIS) based mathematical model for prediction of dengue epidemics within Colombo and Kandy Districts of Sri Lanka”, Faculty of Graduate Studies, University of Kelaniya.
- Co-supervisor of the Ph.D. degree programme of Ms. WRL Wijesekara. University of Colombo

**M.Phil.  
Completed**

- Co- supervisor of Ms. I.H. Rajapakshe – Thesis entitled “Investigation of water quality variation and pollution sources in Pussella Oya

catchment” – 2009, Postgraduate Institute of Agriculture, University of Peradeniya, Peradeniya.

**M.Sc.  
completed**

- Estimation of flood detention benefits of urban wetlands in Heel Ela south sub-catchment, Colombo, Ms. M.R.F. Mafahira, 2013. University of Colombo.
- Environmental and socio-economic impacts of the revetment in Wennappuwa coastal area, Mr. J.A.C.L.U. Jayaweera, 2014. Open University of Sri Lanka.
- Effectiveness of Environmental Impacts Mitigation with Reference to Waste Water Treatment in Unclassified Hotels: A Case Study of Gampaha District, Ms. WRL Wijesekara, 2016. University of Colombo.

**Undergraduate  
research  
projects -  
Completed**

- Effectiveness of paddy husk bio-char as a soil amendment For low country wet zone paddy cultivation, M.K.N.P. Moragoda, 2015. University of Kelaniya, Kelaniya.
- Development of a Modified Environmental Flow Modeling Approach for Attanagalu Oya, N.W.B.A.L. Udayanga, 2014. University of Kelaniya, Kelaniya.
- Stream flow alterations due to mini-hydro diversions and response of Benthic Macro-invertebrates, D.S.N. Munasingha, 2014. University of Kelaniya, Kelaniya.
- Sediment and water quality modeling in Nillambe Oya, M.P. Gunawardena, 2014. University of Kelaniya, Kelaniya.
- Water resource management of a cascade system in the Intermediate Zone through hydrological modeling, B.M.C.N. Kularathne, 2013. University of Kelaniya, Kelaniya.
- Evaluation of energy use in a cascade agricultural system, M.A. Uthpala, 2013. University of Kelaniya, Kelaniya.
- Analysis of climate change impacts on a cascade agricultural system in the intermediate zone and evaluation of the adaptive capacity of the paddy farming community, K.A.K.D.M.T. Jayasuriya, 2013. University of Kelaniya, Kelaniya.
- Extreme climatic conditions in Attanagalu Oya basin and the adaptations of paddy farming communities, Waniganeththi, D. 2011. University of Kelaniya, Kelaniya.
- Environmental flow assessment in Attanagalu Oya, Halwatura, D. 2011. University of Kelaniya, Kelaniya.
- Influence of aquatic plants (*Pistiastratiotes* and *Vallisnariaspinalis*) and aerators on evaporation and transpiration losses in an indoor aquatic system, Bandara, KMH. 2010. University of Kelaniya, Kelaniya.
- Rainwater harvesting potentials for urban agricultural uses in urban areas in Gampaha municipal council limits, Bandara, HMKS. 2010. University of Kelaniya, Kelaniya.
- Evaluation and modification of Hobby-Tunnel hydroponics system, University of Peradeniya, Peradeniya. Sri Lanka. Karunarathna, HAD, 2007. University of Peradeniya, Peradeniya. Sri Lanka.

- Estimation of evapotranspiration using different methods in Southern Sri Lanka, S. P. Liyanage, 2007. University of Peradeniya, Peradeniya. Sri Lanka.
- Estimation of crop coefficients for Sri Lankan crops, Sanjeewa LBWN 2006. University of Peradeniya, Peradeniya. Sri Lanka.
- Water and Nutrient balance in a wastewater irrigated paddy field block, Aswedduma, Sri Lanka. Rajapakshe, IH 2006. University of Peradeniya, Peradeniya. Sri Lanka.
- Improvement of The Simple Sprinkler System Designing And Pump Selection Expert System, P.R.J.B. Palihana 2005. University of Peradeniya, Peradeniya. Sri Lanka.
- Wastewater generation in Kurunegala and its conjunctive use for paddy production, R.A.D.U.P.Ranaweera, 2005. University of Peradeniya, Peradeniya. Sri Lanka.
- Calibration of a Venturi Fertilizer Injector, S.C. Abeywardana, 2005. University of Peradeniya, Peradeniya. Sri Lanka.
- Effective Canal Management Through Canal Simulation In Mahaweli System H, P. Hewavitharana, 2005. University of Peradeniya, Peradeniya. Sri Lanka.
- Development of an Expert System for Simple Sprinkler System Designing and Pump Selection, B.G.A. Abeyrathne, 2005. University of Peradeniya, Peradeniya. Sri Lanka.
- Hydraulic Calibration of Canal Reaches and Structures Through Simulation, A.H.L. Umagiliyage, 2005. University of Peradeniya, Peradeniya. Sri Lanka
- Methodology development in quick cooking rice, K.T.L. Udaya Sri Dayangana, 1997. Faculty of Applied Sciences, Sabaragamuwa University of Sri Lanka
- Development of a legume based protein supplement for instant rice, W.M.R. Hemarathna, 1997. Faculty of Applied Sciences, Sabaragamuwa University of Sri Lanka.
- Prevention of browning and fungal growth on the cut surface of king coconut and maintain the quality of nut water. U.L. Abdul Majeed, 1997. Faculty of Applied Sciences, Sabaragamuwa University of Sri Lanka.

**AWARDS- SPECIAL ACADEMIC / PROFESSIONAL**  
**AWARDS OR RECOGNIZED ACADEMIC /**  
**PROFESSIONAL DISTINCTIONS IN RESEARCH OR**  
**TEACHING**

- “**Kamban Award 2017**”, Colombo Kamban Society
- Vice-Chancellors award for bringing honor to the University of Kelaniya, 01 January 2016.
- “**Presidential Award for Scientific Research – 2013**”. Awarded on 18 November 2015.
- “**NRC Merit Award for Scientific Publication – 2011**” National Research Council, Sri Lanka.

- Vice-Chancellors award for bringing honor to the University of Kelaniya, 01 January 2011.
- “**Presidential Award for Research – 2005**” awarded on 27 July 2010.
- “**Presidential Award for Research – 2004**” awarded on 27 July 2010
- “**Award for the popularization of Science – 2008**” Awarded by the Young Scientists Forum of The National Science and Technology Commission of the Ministry of Science (Awarded on 19 January 2010)
- Merit certificate for popularization of Science - 2007 awarded by the Young Scientists Forum of The National Science and Technology Commission of the Ministry of Science (Awarded on 16 January 2009)
- **Hisamatzu Prize (2000) for the outstanding performance in the field of study Irrigation Engineering and Management**, Asian Institute of Technology, Thailand.

## RESEARCH, SCHOLARSHIP AND CREATIVE WORK

### Research publication in refereed journals

#### Peer Reviewed Indexed Journals

1. Udayanga, L., Gunathilaka, N., Iqbal, M. C. M., **Najim, M. M. M.**, Pahalagedara, K., & Abeyewickreme, W. (2018). Empirical optimization of risk thresholds for dengue: an approach towards entomological management of Aedes mosquitoes based on larval indices in the Kandy District of Sri Lanka. *Parasites & vectors*, 11-368. (**Indexed in** : Science Citation Index Expanded, Scopus)
2. Udagedera, U.S.C., Gabadage, D.E. and **Najim, M.M.M.**, 2015. Distribution notes on the Endangered freshwater crab *Ceylonthelphusa armata* Ng (1995) (Crustacea: Brachyura: Gecarcinucidae) in Sri Lanka. *Journal of Threatened Taxa*, 7(11): 7791-7794. (**Indexed in** : BIOSIS Previews, CAB Abstracts, EBSCO, Index Fungorum, JournalSeek, Zoological Records)
3. Halwatura, D., **Najim, M.M.M.**, 2013. Application of the HEC-HMS model for runoff simulation in a tropical catchment, *Environmental Modelling & Software*, 46: 155-162. (**Indexed in** : Science Citation Index)
4. P.D.H.N. Gunathilaka, R.M.N.S. Ranundeniya, **M.M.M. Najim** and S. Seneviratne. 2011. Determination of air pollution using *Heterodermia speciosa* from Colombo and Kurunegala, Sri Lanka using energy dispersive X-ray fluorescence spectrometry, *Turkish Journal of Botany*, 35(4): 439-446. (**Indexed in** : Science Citation Index Expanded)
5. **M.M.M. Najim**, M. Aminul Haque and S.M. Bockari-Gevao. 2010. Irrigation energy consumption in a tropical lowland rice field, *Journal of Agricultural Sciences*, 5(1) : 01 – 08 (**Indexed in** : CAB Direct, Summon by Serial Solutions)
6. U.S.C. Udagedera and **M. M. M. Najim**, 2009. Potential to enhance the extent of paddy cultivation using domestic and municipal wastewater harvesting - a case study from the dry zone of Sri Lanka. *Journal of Applied Irrigation Science*, 44(2): 239-248. (**Indexed in** : CAB Direct, GEOREF)

7. I. H. Rajapakshe, L. W. Galagedara and **M.M.M. Najim**, 2008. Microbial water quality variations in consumable water sources and pollution contributions by Pussalla Oya Catchment Communities, *Tropical Agricultural Research*.20: 314-326. (**Indexed in** : CAB Direct, Summon by Serial Solutions)
8. Rajapakshe, I.H. and **Najim. M.M.M.** 2007. Water and Nutrient Balance in a Paddy Field Irrigated by Wastewater During Off (Yala) Season in Kurunegala, Sri Lanka, *Journal of Applied Irrigation Science*, 42 (1): 77-91. (**Indexed in** : CAB Direct, Summon by Serial Solutions)
9. **M.M.M. Najim**, T.S. Lee, M. Aminul Haque and M. Esham, 2007. Sustainability of Rice Production: A Malaysian Perspective, *Journal of Agricultural Sciences, Sabaragamuwa University of Sri Lanka*. 3(1): 1-12. (**Indexed in** : CAB Direct, Summon by Serial Solutions)
10. **Najim. M. M. M.** Babel M. S. and R. Loof. 2006 AGNPS Model Assessment for a Mixed Forested Watershed in Thailand, *ScienceAsia* 32(1): 53-61. (**Indexed in** : Science Citation Index Expanded)
11. Lee, T.S. **Najim, M.M.M.** Aminul, M.H. and H.Y. Feng 2005. Modeling of Changes in Evapotranspiration for an Area in Peninsular Malaysia, *Pertanika Journal of Science and Technology*, 13(2): 237-248. (**Indexed in** : CAB Direct, Summon by Serial Solutions)
12. Lee, T.S. Aminul, M.H. and **Najim, M.M.M.** 2005. In-Time Rice Irrigation Water Management Under Limited Water Supply. *Pertanika Journal of Science and Technology*, 13(2): 97-111. (**Indexed in** : CAB Direct, Summon by Serial Solutions)
13. **Najim, M.M.M.** Lee, T.S. and A. Haque, 2005. Felcra paddy estate management decision support system - Part1: Capabilities and output, *Journal of Applied Irrigation Science*, 40(2): 247-258. (**Indexed in** : CAB Direct, GEOREF)
14. **Najim, M.M.M.** Lee, T.S. and A. Haque, 2005. Felcra paddy estate management decision support system - Part1: Design and development, *Journal of Applied Irrigation Science*, 40(2): 231-246. (**Indexed in** : CAB Direct, GEOREF)
15. Aminul, M.H. **Najim, M.M.M.** and Lee, T.S. 2005. Evaluation of Water Use in a Rice Double Cropping System in Malaysia, *Tropical Agricultural Research*, 17: 104 - 113. (**Indexed in** : CAB Direct, Summon by Serial Solutions)
16. Lee, T.S. Aminul, M.H. and **Najim, M.M.M.** 2005. Modeling water resources allocation in a run-of-the-river rice irrigation scheme. *Water Resources Management* 19: 571–584. (**Indexed in** : Science Citation Index Expanded)
17. Lee, T.S. Aminul, M.H. and **Najim, M.M.M.** 2005. Scheduling the cropping Calendar in Wet-Seeded Rice Schemes in Malaysia. *Agricultural Water Management*, 71(1): 71-84. (**Indexed in** : Science Citation Index)
18. Babel, M.S. **Najim, M.M.M.** and Loof, R. 2004. Assessment of AGNPS Model for a Watershed in Tropical Environment, *Journal of Environmental Engineering of the ASCE*, 130(9): 1032 – 1041. (**Indexed in** : Science Citation Index)
19. Lee, T.S. **Najim, M.M.M.** and Aminul, M.H. 2004. Estimating Evapotranspiration of Irrigated Rice at the West Coast of the Peninsular

of Malaysia, Journal of Applied Irrigation Science, 39:103-117. (**Indexed in** : CAB Direct, GEOREF)

20. Aminul, M.H. **Najim, M.M.M.** and Lee, T.S. 2004. Modeling Irrigation Water Delivery Schedule for Rice Cultivation in East Coast Malaysia, Tropical Agricultural Research, 16: 204-213. (**Indexed in** : CAB Direct, Summon by Serial Solutions)
21. **Najim, M.M.M.** Aminul, M.H. and Lee, T.S. 2004. LPWM Expert: An expert system for water management during land preparation in a paddy estate in Malaysia, Tropical Agricultural Research, 16: 150-158. (**Indexed in** : CAB Direct, Summon by Serial Solutions)

#### **Peer Reviewed Journals**

1. Mendis, B.R.C, **Najim, M.M.M.**, Kithsiri, H.M.P and Azmy, S.A.M., (2017). Determination of Heavy Metals Levels in Water, Sediments and Edible Fish (*Mugil cephalus*) of Negombo Estuary in Sri Lanka. (Accepted to NARA Journal-2015, National Aquatic Resources Research and Development Agency, Colombo 15, Volume 44)
2. B.R.C. Mendis, **M.M.M. Najim**, H.M.P. Kithsiri and S.A.M. Azmy, 2015. Bioaccumulation of Heavy Metals in the Selected Commercially Important Edible Fish Species Gray Mullet (*Mugil cephalus*) from Negombo Estuary. Journal of Environmental Professionals Sri Lanka, 4(2): 1-9.
3. Mendis, B. R. C, **Najim, M.M.M** and Kithsiri, H.M.P. (2015). Water Quality and Heavy Metal Monitoring in Water, Sediments, and Tissues of Grey Mullet (*Mugil cephalus*) from the Negombo Estuary in Sri Lanka. Journal of Faculty of Graduate Studies University of Colombo, Sri Lanka. 2(1): pp. 1-22.
4. Mendis B.R.C., **Najim, M.M.M.** and H.M.P. Kithsiri, 2015. Quantitative analysis of water quality and heavy metals in water, sediments and tissues of Grey Mullet (*Mugil cephalus*) from the Negombo estuary, Colombo Journal of Multi-Disciplinary Research, 2(1): 1-22.
5. Halwatura, D., Najim, M.M.M., 2014. Environmental Flow Assessment—An Analysis, Journal of Environmental Professionals Sri Lanka, 3(2): 1-11.
6. Bandara, H.M.K.S. and **M.M.M. Najim** 2014. Compliance with standards and immerging issues of household sewage disposal systems in Gampaha municipality area in Western Sri Lanka, Journal of Environmental Professionals Sri Lanka, 2(2): 1-12.
7. U.S.C. Udagedara and **M.M.M. Najim**, 2009. Water Based Disease Incidents due to Inadequate Access to Sanitation and Water Supply in Four PHI Areas in Mawanella, Sri Lanka. The Environ Monitor, 9(11 & 12): 28-33.
8. M AminulHaque and **M.M.M. Najim**. 2008. An Overview of Policy and Institutional Distribution for Drinking Water Supply in the Arsenic Affected Areas in Bangladesh, The Environ Monitor. 8(3-4): 4-13.
9. Rajapakshe, I.H., Gunawardana, I.P.P., and **Najim, M.M.M.** 2007. Problems Associated with Utilization and Management of Wastewater: A Case Study from Sri Lanka. The Environ Monitor, 7(11): 4-13.
10. **Najim, M.M.M.** 2004. Effect of grid subdivision on AGNPS simulations in a tropical watershed, Agricultural Engineering, The Journal of the Agricultural Engineering Society of Sri Lanka, 8: 49 - 56.



11. M. Aminul Haque, T.S. Lee, **M.M.M. Najim**, and T.A. Mohammed. 2004. Water allocation modeling for Besut rice irrigation scheme in Malaysia, Journal of the Agricultural Engineering Society of Sri Lanka, 8: 1 - 8.
12. **Najim, M.M.M**, Aminul, M.H. and. Lee, T.S. 2003. Paddy estate water management decision support system (DSS), Journal of South Pacific Agriculture, 10: 10 – 16.
13. Aminul, M.H. **Najim, M.M.M** and. Lee, T.S. 2002. Decision support tool for pre-saturation water management under gravity irrigation, Journal of South Pacific Agriculture, 9: 46 – 52.

**Peer reviewed presentations with evidence at national/international conferences / symposia**

- Published full papers** as
1. N.W.B.A.L. Udayanga and **M.M.M. Najim**, 2014. Trends in Dry and Wet Events of Rainfall in Aththanagalu Oya Basin, Symposium proceedings of the Water Professional's Day – October 01 2014, pp. 39 - 51. Geo-Informatics Society of Sri Lanka, Peradeniya
  2. D. Halwatura, **Najim M.M.M.** and N.W.B.A.L Udayanga, 2013. Impacts of Urban Water Management in Attanagalu Oya Basin, In proceeding of: Special session on Urban Water Environment Monitoring & Management, 4th International Conference on Structural Engineering and Construction Management, 2013,, At Kandy Sri Lanka.
  3. D. Waniganethi, **M.M.M. Najim** and D. Halwatura 2013. Influence of climate change on water management of Paddy in Attanagalu Oya basin. Symposium proceedings of the Water Professional's Day – October 01 2013, pp. 29-38. Geo-Informatics Society of Sri Lanka, Peradeniya
  4. M.T. Jayasuriya and **M.M.M. Najim** 2013. Assessment of the climate change variability in the intermediate zone of Sri Lanka through continuous wet day rainfall frequency distribution analysis, Symposium proceedings of the Water Professional's Day – October 01 2013, pp. 39-50. Geo-Informatics Society of Sri Lanka, Peradeniya
  5. N.W.B.A.L. Udayanga and **M.M.M. Najim**, 2013. Evaluation of the trends in climatic change with respect to severity and occurrence frequency of wet and dry events in the dry zone of Sri Lanka, Symposium proceedings of the Water Professional's Day – October 01 2013, pp. 51-62. Geo-Informatics Society of Sri Lanka, Peradeniya
  6. D. Waniganethi, **M.M.M. Najim** and D. Halwatura 2012. Seasonal Variation of Rainfall at AttanagaluOyaBasin: Symposium proceedings of the Water Professional's Day – October 01 2012, pp. 31-42. Geo-Informatics Society of Sri Lanka, Peradeniya.
  7. Influence of Aerators and *Pistia stratiotes* on Evaporation and Transpiration Losses in an Indoor Aquatic System: K.M.H. Bandara and **M.M.M. Najim** 2012. Symposium proceedings of the Water Professional's Day – October 01 2012, pp. 175-184. Geo-Informatics Society of Sri Lanka, Peradeniya.
  8. U. S. C. Udagedara and **M. M. M. Najim**, 2010. Potential to Increase the Area under Paddy Cultivation with Domestic and Municipal Wastewater Irrigation in Kurunegala District, In: Evans, A.; Jinapala, K. (Eds.). 2010. Proceedings of the National Conference on Water, Food Security and Climate Change in Sri Lanka, BMICH, Colombo, Sri Lanka, 9-11 June

2009. Vol. 2: Water quality, environment and climate change. Colombo, Sri Lanka: International Water Management Institute. pp 157-166.
9. M.B.F. Mafahira Jifeen, **M.M.M.Najim** and U.A.D.P. Gunawardena 2008. Effect of Land Use Changes on Flood Hydrology in HeenEla Sub Catchment, Colombo. Symposium proceedings of the Water Professional's Day – October 01 2008, pp. 1-8. Geo-Informatics Society of Sri Lanka, Peradeniya.
  10. R.A.T.C.S. Ranashingha, **M.M.M. Najim**, R.M.N.S. Ranundeniya and U.S.C. Udagedara. 2008. Water Supply, Sanitation and Water Based Disease Incidents in Four PHI Areas from the Intermediate Zone of Kurunegala District, Symposium proceedings of the Water Professional's Day – October 01 2008, pp. 133-142. Geo-Informatics Society of Sri Lanka, Peradeniya.
  11. S.P. Liyanage, **M.M.M. Najim** and T. Sivananthawerl. 2008. Comparison of Reference Crop Evapotranspiration Estimation Methods at Lunugamvehera, Sri Lanka. Symposium proceedings of the Water Professional's Day – October 01 2008, pp. 111-120. Geo-Informatics Society of Sri Lanka, Peradeniya.
  12. P. Jayakody, L. Raschid-Sally, S.A.K. Abayawardana and **M.M.M. Najim**, 2006. Urban growth and wastewater agriculture: A study from Sri Lanka, 32nd WEDC International Conference, Colombo, Sri Lanka.
  13. **Najim, M.M.M**, Abeywardana, S.C. Jayakody, K.P.K. and Rambanda, M. 2006. Calibration of a Venturi Fertilizer Injector for Efficient Micro Irrigation, Water resources research in Sri Lanka, Symposium proceedings of the Water Professional's Day – October 01 2006, pp. 16-24. Postgraduate Institute of Agriculture, Peradeniya.
  14. Abeyrathne B.G.A., **Najim, M.M.M.** and Jayatissa, D.N. 2005. Development of a simple sprinkler system designing and pump selection expert system (SSSDPS expert), Water resources research in Sri Lanka, Symposium proceedings of the Water Professional's Day – October 01 2005, pp. 39-52. Postgraduate Institute of Agriculture, Peradeniya.
  15. Umagiliyage, A.H.L., **Najim, M.M.M.** and Hewavitharana, P. 2005. Hydraulic calibration of canal reaches and structures through simulation, Water resources research in Sri Lanka, Symposium proceedings of the Water Professional's Day – October 01 2005, pp. 15-26. Postgraduate Institute of Agriculture, Peradeniya.
  16. Priyantha Jayakody, François Molle, and **Najim M.M.M.** 2005. How theoretical water demand deviates from actual on farm water demand and suggestions for improvements, A case study from UdaWalawe Irrigation scheme, Sri Lanka, Water resources research in Sri Lanka, Symposium proceedings of the Water Professional's Day – October 01 2005, pp. 1-14. Postgraduate Institute of Agriculture, Peradeniya.
  17. **Najim, M.M.M.**, T.S. Lee, M. Aminul Haque, and M.I.M. Mowjood. 2004. Land preparation water management by canal simulation in a paddy estate, In Proceedings of the Tenth Asian Congress of Fluid Mechanics (ACFMX), Paper A 22. 17 – 21 May 2004, University of Peradeniya, Peradeniya, Sri Lanka.

**Published in  
abstract form**

1. Mendis, B.R.C, **Najim, M.M.M.** and Kithsiri, H.M.P.(2017).Heavy Metal levels in muscle tissues of selected mud crabs (*Scylla serrata*) from Negombo Estuary. In: Annual Research Symposium - 2017, Faculty of Graduate Studies University of Colombo. Sri Lanka. 152 p.
2. Gunathilaka, P.A.D.H.N., Udayanga, N.W.B.A.L., Iqbal, M.C.M., Kusumawathie, P.H.D, **Najim, M.M.M.**, Amarasinghe, U.S. and Abeyewickreme W., 2017. Forecasting dengue incidence based on past dengue cases and vector density indices in Gangawata Korale and Kandy Municipal Council Medical Officer of Health (MOH) areas in Kandy District of Sri Lanka; An approach to mathematical modeling. IN: Proceedings of the 73<sup>rd</sup> Annual Sessions, Sri Lanka Association for the Advancement of Science.
3. **Najim, M.M.M.** and Moragoda, N., 2017. Effects of Paddy Husk Biochar on Selected Physical and Chemical Properties of the Low Humic Gley Soil in the Low Country Wet Zone. In *Proceedings of International Forestry and Environment Symposium* (Vol. 21).
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3. National Institute of Education, 2009. Islam for General Certificate in Education (A/L) – Grade 12, Teachers guide (in Sinhala). ISBN 978-955-654-350-6 Translated (From Tamil to Sinhala) by S.A.C.M. Karamath, **M.M.M. Najim**, M.F. Nalri, M.S.N. Husna and M.H.M. Yakooth
4. National Institute of Education, 2009. Islam for General Certificate in Education (A/L) – Grade 13, Teachers guide (in Sinhala). Translated (From Tamil to Sinhala) by S.A.C.M. Karamath, **M.M.M. Najim**, S.M. Nawfer, M.H.M. Yakooth and M.F.M. Fahim

#### **Editing of collection of essays and books**

- Editorial board member of the Abstracts of Papers of the 18<sup>th</sup> Annual Scientific Sessions of the Sri Lanka Association for Fisheries and Aquatic Resources (SLAFAR), 2012.
- Editorial board member of the Abstracts of Papers of the 17<sup>th</sup> Annual Scientific Sessions of the Sri Lanka Association for Fisheries and Aquatic Resources (SLAFAR), 2011.
- Editorial Board member of the “Science to Society” September 2005 published by the National Science and Technology Commission (NASTEC)
- Editorial Board member of the publication “VidyaViyapthi” Issue 28, 2010 published by the Committee for the Popularization of Science of the Sri Lanka Association for the Advancement of Science.

#### **Editor/editorial board member of Journals**

1. Editorial Board Member (2014 – to date), **Biodiversitas**, ISSN 1412-033X, E-ISSN: 2085-4722, Published by The Society for Indonesian Biodiversity and Biology Department, Sebelas Maret University Surakarta **(Indexed in: Scopus <https://www.scopus.com/sourceid/21100332431> )**
2. Editorial Board Member, **Sri Lanka Journal of Aquatic Sciences** – ISSN 1391-9318 (2010/11, 2011/12) Published by Sri Lanka Association for Fisheries and Aquatic Resources
3. Editorial Board Member / Sectional Editor, **Taprobanica** (ISSN 1800-427X), The Journal of South Asian Biodiversity, 2009, 2010, 2011, 2012, 2013, 2014, 2015. Published Taprobanica Private Limited, Sri Lanka and Research Centre for Climate Change, University of Indonesia, Depok, Indonesia.

4. Country editor/Editorial Board member, **South Asian Water Studies (SAWAS) Journal**, www.sawasjournal.org, South Asia Consortium for Interdisciplinary Water Resources Studies, India. Volumes 1, 2, 3, 4
5. Associate Editor of the **International Journal of Ecology & Development (IJED)** - ISSN 0972-9984, 2006-2007, Published by Centre for Environment Social & Economic Research, India (**Indexed in:** Emerging Sources Citation Index)
6. Chief Editor of the **Journal of the Agricultural Engineering Society of Sri Lanka**, (ISSN 1391-0671), 2004 - 2006

### **Creative work**

Interactive educational DVD on the “Environment We Live In”. This DVD series has 4 DVDs in English, Sinhala and Tamil Jointly Authored by Dr. U.P.K. Epa and Dr. **M.M.M. Najim**

### **CONTRIBUTION TO UNIVERSITY AND NATIONAL / INTERNATIONAL DEVELOPMENT**

#### **Published orations and presidential addresses at national, academic and professional bodies**

Presidential address at the 64<sup>th</sup> annual scientific sessions of the Sri Lanka Association for the Advancement of Science representing Section B. “Wastewater Generation, its utilization and associated problems in the urban and peri-urban centers in Sri Lanka”, In: Proceeding of the 64<sup>th</sup> Annual Session 2008 – Part II Inaugural and Presidential Addresses, 39-53 pp,

#### **Commissioned Reports for National / International bodies**

- IEE report submitted to the Central Environmental Authority on the Project on Establishment of the Crab City Phase I at Lunama, Hambantota, Sri Lanka, 2018.
- Institutional Review of Sri Jayawardenapura University of Sri Lanka - Report submitted to the QAAC of the UGC – 2017.
- Institutional Review of Jaamiah Naleemiah Institute, Sri Lanka - Report submitted to the Ministry of Higher Education - 2017.
- Programme Review report on Biosystems Science Degree Programme of the South Asian Institute of Technology and Medicine, Report submitted to the Ministry of Higher Education - 2017.
- Performance review report on Atomic Energy Authority of Sri Lanka for conformity assessment submitted to National Science and Technology Commission (NASTEC), 2015.
- Subject Review on Department of Soil and Water Resources Management, Faculty of Agriculture, Rajarata University of Sri Lanka -Report submitted to the QAAC of the UGC – November 2005.
- Report submitted to the International Water Management Institute on “Comprehensive Assessment of Water Management in Agriculture Program for the cities Kurunegala, Kandy and Anuradhapura”, 2005.

- Report submitted to ISCOS project – Integrated Programme for the Rehabilitation of the Fishery Sector in the Tsunami Affected District of Hambantota, Ampara and Batticaloa on “Suitability of Micro-Irrigation (Drip Irrigation) System for Kahandamodara Village in Tangalle, Hambantota District”, March 2007.
- A Report submitted to CapNet and UNESCO –IHE on “Study on the performance and capacity of National river Basin Organization – Mahaweli Authority of Sri Lanka”, June 2007.
- Subject Review on Department of Agricultural Engineering, Faculty of Agriculture, University of Ruhuna, Report submitted to the QAAC of the UGC, June 2008.
- Report on Hydrological study of proposed Mini-hydropower project – NaduranaOya – submitted in 2008 to Samanala Power (Pvt) Ltd.
- Report on Hydrological study of proposed Mini-hydropower project – Wewa Ganga – submitted in 2008 to TerraAqua International (Pvt) Ltd.
- Report on Hydrological study of proposed Mini-hydropower project – Kukuleganga – submitted in 2008 to Kosbulana Hydro Power (Pvt) Ltd.
- Report on Hydrological study of proposed Mini-hydropower project – Angarakanda – submitted in 2008 to Angarakanda Mini Hydro (Pvt) Ltd.
- Many Reports submitted to the Central Environmental Authority on Hydrological Studies for Mini-hydropower projects.
- Performance review report on Sri Lanka Accreditation Board for conformity assessment submitted to National Science and Technology Commission (NASTEC), 2010.
- Report submitted to the Practical Action Sri Lanka on “Traditional and Conventional Micro-irrigation Technologies and Adaptive Strategies to Dry Zone of Sri Lanka”, 2011.

#### **Student counsellor/carrier guidance counselor/Academic counselor**

- Student counsellor for the academic year 2007/2008
- Student counsellor for the academic year 2008/2009

#### **President / Secretary / Treasurer of an approved Society in the University**

- Environmental Conservation and Management Society of the University of Kelaniya – Senior Treasurer for the academic year 2007/2008.
- Islamic Student Society of the University of Kelaniya – Senior Treasurer for the academic year 2010/2011.
- Environmental Conservation and Management Society of the University of Kelaniya – Senior Treasurer for the academic year 2009/2010.
- Islamic Student Society of the University of Kelaniya – Senior Treasurer for the academic year 2008/2009.
- Environmental Conservation and Management Society of the University of Kelaniya – Senior Treasurer for the academic year 2008/2009.

#### **President / Secretary / Treasurer in University Teacher Union / University Alumni Association at National level**

- Secretary (Founder Secretary) of the Applied Sciences Teachers' Association of the Sabaragamuwa University of Sri Lanka in 1997/1998

**President of a professional / academic association at national / international level**

- President of the Section B of the Sri Lanka Association for the Advancement of Science during 2008
- **President of the Young Scientists Forum** of the National Science and Technology Commission of the Ministry of Science and Technology during 2009

**Secretary / Treasurer of a professional / academic association at National / International level**

- **Secretary of the Young Scientists Forum** of the National Science and Technology Commission of the Ministry of Science and Technology during 2008
- **International Relations Secretary of the Sri Lanka Association for the Advancement of Science** for the year 2009
- **International Relations Secretary of the Sri Lanka Association for the Advancement of Science** for the year 2010
- **Secretary of the Sri Lanka Association for Fisheries and Aquatic Resources** for the year 2008/2009
- **Secretary of the Sri Lanka Association for Fisheries and Aquatic Resources** for the year 2009/2010
- Secretary of the Board of Trustees of the Sri Lanka Association for the Advancement of Science for the year 2011
- **General Secretary – Sri Lanka Association for the Advancement of Science for the year 2012, 2013, 2014 and 2015**

**Chairman, Secretary, member of National / International Committees, Task forces or Statutory bodies**

- Member of the Standing Committee on Accreditation and Quality Assurance (SCAQA) of the Ministry of Higher Education 2018/2019
- Member of the committee on Galle Face Green Redevelopment Stage II – Accelerated Programme
- Member of the National Information Management Group / Committee of the Crop wild relatives conservation project – Year 2005
- Committee Member of the Section B of Sri Lanka Association for the Advancement of Science for the year 2009
- Member of the Science Education Committee of the Sri Lanka Association for the Advancement of Science for the year 2009
- Steering Committee member of the Young Scientists Forum of the National Science & Technology Commission (NASTEC) for the year 2005, 2008, 2009, 2010
- Elected council member of the Sri Lanka Association for the Advancement of Science for the year 2011

- Member of the committee appointed by the Central Environmental Authority to review the regulation number 1534/18 dated 2008.02.01 – Effectiveness of 1:8 dilution scenario. years 2010/2011
- Member of the committee appointed by the Central Environmental Authority to study the existing levels of pollutants for discharge of treated water (Industrial/Domestic) on land for irrigation or replenishment of water table. years 2010/2011
- Member of the Committee for the Popularization of Science of the Sri Lanka Association for the Advancement of Science for the year 2009, 2010, 2011, 2012
- Member of the Board of Trustees of the Sri Lanka Association for the Advancement of Science for the year 2011, 2012, 2013 and 2104
- Member of the House and Finance Committee of the Sri Lanka Association for the Advancement of Science for the year 2012, 2013, 2014 and 2015
- Member of the Membership Committee of the Sri Lanka Association for the Advancement of Science for the year 2012, 2013,2014 and 2015

#### **Other appropriate contributions at national / international level**

- Provided technical support to the Ministry of Disaster Relief Services in selecting proper and suitable micro-irrigation systems that was donated by China that are used in drought mitigation activities in the dry areas in Sri Lanka (2006)
- Contributed in the revision of the Sri Lanka Water Development Report: 2010 by participating in the consultancy workshop held in 2008.
- Contributed in the Stakeholder workshop to finalize the Technology Need Assessment report on Climate Change
- Provided technical support to the Rubber Research Institute of Sri Lanka in designing a suitable micro-irrigation systems for the Kumbukkana Rubber Nursery in Moneragala (2006)

#### **Workshop Coordination**

- Training workshop for the academic staff on effective usage of VLE, 19 - 20 June 2014, University of Kelaniya, Kelaniya.
- Training workshop for the academic staff on curriculum development process and student centered teaching/learning and assessment methods 18 - 19 July 2013, University of Kelaniya, Kelaniya,
- Workshop to finalize the minor revisions to the existing ENCM curriculum, 12<sup>th</sup> July 2013, University of Kelaniya, Kelaniya.
- Stakeholder workshop to develop draft new ENCM curriculum, 25<sup>th</sup> March 2014, University of Kelaniya, Kelaniya.
- Second South Asia Research Workshop on **Water Supply, Sanitation and Wastewater Management** from 24 - 26<sup>th</sup> September 2007, Kandy, Sri Lanka. Organized by SaciWATERS (South Asian Consortium for Interdisciplinary Water Resources Studies) and PGIA (Post Graduate Institute of Agriculture), University of Peradeniya, Sponsored by DGIS, The Government of Netherlands

- Workshop for **Developing Proficiency in Planning Computer-based Learning Materials (CBLM)**, 26<sup>th</sup> – 30<sup>th</sup> September 2006 – Faculty of Agriculture, University of Peradeniya.
- Workshop on **Training of Trainers on Recent Advances in Micro-Irrigation**, 30<sup>th</sup> October – 10<sup>th</sup> November 2006, Peradeniya. Sri Lanka.

### **PARTICIPATION IN CONTINUING PROFESSIONAL DEVELOPMENT (CPD) PROGRAMMES / EXTENSION COURSES / SHORT COURSES**

**As a Resource Person :**

1. A/L Teacher training – Subjects: Biosystems Technology, Agriculture
2. Resources person in A/L syllabus revision – Subjects: Biosystems Technology (2013, 2014, 2016, 2017), Agriculture (2014, 2015)
3. Served as a resource person in the training program to train the officers of the Department of Agriculture organized by the In-services Training Institute, Gannoruwa, Peradeniya from 16.02.2009 to 18.02.2009. Topics covered were “Principles of Micro-Irrigation” and “Micro-irrigation and its potential”
4. Training Workshop on IWRM for Advanced Level School Teachers organized by the Network for Capacity Building in Integrated Water Resources Management in collaboration with the Postgraduate Institute of Agriculture, University of Peradeniya, Department of Agriculture, National Water Supply and Drainage Board and National Institute of Education – “Water for Agriculture”. 16 – 17 July 2009, National Institute of Education, Maharagama.
5. Training Workshop on IWRM for Advanced Level School Teachers organized by the Network for Capacity Building in Integrated Water Resources Management in collaboration with the Postgraduate Institute of Agriculture, University of Peradeniya, Department of Agriculture, National Water Supply and Drainage Board and National Institute of Education – “Fundamentals of Irrigation”. 25 – 26 May 2009, National Institute of Education, Maharagama.
6. Served as a resource person in the Consultative council meeting on “poverty alleviation and integrity” held on 27.02.2008 organized by the Transparency International Sri Lanka.
7. Served as a resource person in the training program to train the officers of the Department of Agriculture organized by the In-services Training Institute, Gannoruwa, Peradeniya from 14.07.2008 to 16.07.2008. Topics covered were “Principles of Micro-Irrigation” and “Micro-irrigation and its potential”
8. Served as a resource person in the training program to train the officers of the Department of Agriculture organized by the In-services Training Institute, Gannoruwa, Peradeniya from 06.02.2008 to 08.02.2008. Topics covered were “Principles of Micro-Irrigation” and “Micro-irrigation and its potential”
9. Served as a resource person in a workshop on “Quality Improvement of Agricultural Products through Micro-Irrigation” conducted at the Maspotha Vidatha Center on 03 April 2008. Title covered “Micro Irrigation for Agricultural Production Quality Improvement”.



10. Served as a resource person in the training workshop on “Integrated Water Resources Management for School Teachers” on 12 March 2008 organized by the Network for Capacity Building in Integrated Water Resources Management (Cap-Net Lanka). The titles covered was “basics in Irrigation”
11. Served as a resource person in the workshop on “barriers to young scientists” held on 28 March 2008 organized by the Young Scientists Forum of the National Science and Technology Commission.
12. Served as a resource person in the “Training workshop on Effective Wastewater Management Systems – New Strategies for Mahaweli Environmental Officers” on 23 July 2007 organized jointly by the Network for Capacity Building in Integrated Water Resources Management (Cap-Net Lanka), Postgraduate Institute of Agriculture and the Agricultural Engineering Society of Sri Lanka.
13. Served as a resource person in the training program to train the officers of the Department of Agriculture organized by the In-services Training Institute, Gannoruwa, Peradeniya from 22.08.2007 to 24.08.2007. Topics covered were “Principles of Micro-Irrigation” and “Micro-irrigation and its potential”
14. Served as a resource person in the “Training workshop on Effective Wastewater Management Systems – New Strategies for the Schoolchildren at St. Joseph’s Girls College, Gampola” on 22 June 2007 organized jointly by the Network for Capacity Building in Integrated Water Resources Management (Cap-Net Lanka), Postgraduate Institute of Agriculture and the Agricultural Engineering Society of Sri Lanka.
15. Served as a resource person in the training program to train the officers of the Department of Agriculture organized by the In-services Training Institute, Gannoruwa, Peradeniya on 06 - 08 June 2007. Topics covered were “Principles of Micro-Irrigation” and “Micro-irrigation and its potential”
16. Served as a resource person in the “Training workshop on Effective Wastewater Management Systems – New Strategies for the Industries in the Central Province” on 19 March 2007 organized jointly by the Network for Capacity Building in Integrated Water Resources Management (Cap-Net Lanka), Postgraduate Institute of Agriculture and the Agricultural Engineering Society of Sri Lanka.
17. Served as a resource person in the “National workshop on Training of Trainers on Integrated Water Resources Management” from 5 – 8 September 2006 by the Network for Capacity Building in Integrated Water Resources Management (Cap-Net Lanka). The titles covered were Demand Management (I and II)
18. Served as a resource person in the “Farmers Training workshop on Water Management under Rehabilitated Minor Tanks in Anuradhapura” on 12 March 2007 organized jointly by the Network for Capacity Building in Integrated Water Resources Management (Cap-Net Lanka) and Plan Sri Lanka.
19. IWRM awareness program to Rotary club – Kandy metropolitan members on 23 March 2006 at Hotel Tourmaline, Kandy.
20. Served as a resource person in the “Seminar on Integrated Water Resources Management for School Teachers in Kandy Zonal

- Education” on 22 March 2006 organized by the Network for Capacity Building in Integrated Water Resources Management (Cap-Net Lanka). The titles covered were Water Cycle and IWRM.
21. Served as a guest speaker at the field workers orientation workshop of the Wastewater for Poverty Alleviation Research Program of the organization Community Self Improvement (COSI) on 2 March 2006 at Salika Inn Hotel, Kandy. The title covered was “Learning Alliances”.
  22. Served as a resource person to the “WIDULOWA” radio program which was recorded in November 2005
  23. Served as a resource person in the “National workshop on Training of Trainers on Integrated Water Resources Management” from 20 – 25 June 2005 by the Network for Capacity Building in Integrated Water Resources Management (Cap-Net Lanka) and the Department of Agricultural Engineering, Faculty of Agriculture, University of Peradeniya. The titles covered were Demand Management (I and II)
  24. Served as a resource person in the seminar organized by the Lions Club of Kandy to recognize the World Water Day, 22 March 2001

### **Review of Manuscripts and Scholarly Work**

I have served as a reviewer of manuscripts for many international journals, local journals and conferences (international and local). Few of such work done are given below

1. Geo-Information for Future of Sri Lanka, Proceedings of the Second National Symposium on Geo-Informatics, 2005.
2. Water Resources Research in Sri Lanka, Symposium Proceeding of The Water Professionals’ Day – 2005.
3. Water Resources Research in Sri Lanka, Symposium Proceeding of The Water Professionals’ Day – 2006.
4. Journal of Agricultural Sciences, Faculty of Agricultural Sciences, Sabaragamuwa University of Sri Lanka, 2006, 2007.
5. Student Research Sessions of the Faculty of Agriculture, Rajarata University of Sri Lanka, 2007.
6. Served as a reviewer of paper received for the 19<sup>th</sup>, 20<sup>th</sup>, 21<sup>st</sup>, Annual Congresses of the Postgraduate Institute of Agriculture, University of Peradeniya.
7. Member of the board of referees, The Environ Monitor, Monthly Journal of Environmental Sciences, Technology and Engineering. 2008-2010.
8. Tropical Agricultural Research and Extension, Faculty of Agriculture, University of Ruhuna, 2009.
9. First National Symposium on Natural Resources Management, Sabaragamuwa University of Sri Lanka, 2009.
10. Annual Research Session of the Vavuniya Campus of the University of Jaffna, Sri Lanka. 2009.
11. Proceedings of the 16<sup>th</sup> Annual Sessions of the Jaffna Science Association, 2009.

12. 3<sup>rd</sup> International Symposium “InSym-SUSL – 2010”, Sabaragamuwa University of Sri Lanka, 2010.
13. Journal of Science of the University of Kelaniya, 2010.
14. 4<sup>th</sup> International Symposium “InSym-SUSL – 2012”, Sabaragamuwa University of Sri Lanka, 2012.
15. 5<sup>th</sup> National Geography Conference – 2012, Department of Geography, University of Kelaniya.

### **Consultancy**

- **IEE Report on the Establishment of the Crab City Phase I at Lunama Hathagala, Hambantota, 2017/2018.**
- **Traditional and Conventional Micro-irrigation Technologies and Adaptive Strategies to Dry Zone of Sri Lanka** conducted for Practical Action, 2011.
- **Mini Hydropower Projects - hydrological feasibility studies for more than 25 mini-hydropower projects** in Sri Lanka.
- **River Basins and River Basin Organizations Survey in South Asia – Sri Lankan River Basins**(January – March, 2007), CapNet Lanka, Peradeniya, Sri Lanka. UNESCO-IHE
- Assisted (in 2006) the **Rubber Research Institute to establish a Sprinkler Irrigation System for a Rubber Nursery in Monaragala.**
- Working as a **subject review specialist for the Quality Assurance and Accreditation Council of the University Grants Commission.**
  1. Department of Agricultural Engineering, Faculty of Agriculture, University of Ruhuna, Kamburupitiya. (9 – 11 June, 2008 )
  2. Department of Soil and Water Resources Management – Rajarata University of Sri Lanka (2005)
- Installation of Drip Irrigation System in Kahandamodara Village, ISCOS, Trade Union Institute for Development Cooperation, Tangalle, Sri Lanka. April – May 2007.
- **Member of the project team on Wastewater Agriculture Sanitation and Health and Poverty Alleviation (WASPA)** funded by the European Commission (2006 to 2008). Partners of this project are IWMI, COSI (Sri Lanka), NGO Forum (Bangladesh), IRC (Netherlands).
- **Member of the National Information Management group of the Crop Wild Relatives Conservation Project** implemented by the Ministry of Environment and Natural Resources and Department of Agriculture (2005-upto date ).
- **Consultant for the survey on sanitation health and wastewater agriculture for three cities (Anuradhapura, Kurunegala and Kandy) in Sri Lanka.** IWMI, Sri Lanka (2005).
- **Consultant for the Galleface Green irrigation system design, development and fabrication.**

### **Professional Societies**

- Memberships**
- Life member of the Institute of Biology (M. Biol)

- Life member of the Sri Lanka Association for Fisheries and Aquatic Resources (SLAFAR)
- Life member of the Sri Lanka Association for the Advancement of Science (SLAAS) (Membership Number 7899/B)
- Life Member of Agricultural Engineering Society of Sri Lanka
- Life member of the Geo-Informatics society of Sri Lanka (Membership Number: OM(L)/04/108)
- Life member of the Soil Science Society of Sri Lanka.

### **Positions held**

- General Secretary of the Sri Lanka Association for the Advancement of Science (SLAAS) in 2012, 2013, 2014 and 2015 (upto July)
- Core Group member of the Network for Capacity building in Integrated Water Resources Management 2008 - 2011
- Secretary – Board of Trustees of the Sri Lanka Association for the Advancement of Science (SLAAS) in 2011 and 2012.
- Secretary – House and Finance Committee of the Sri Lanka Association for the Advancement of Science (SLAAS) in 2012
- Secretary – International Relations of the Sri Lanka Association for the Advancement of Science (SLAAS) in 2009 and 2010.
- Council member of the Sri Lanka Association for the Advancement of Science (SLAAS) – 2008, 2009, 2010, 2011, 2012
- Steering Committee member and the Chairman of the Young Scientists Forum (YSF) of the National Science and Technology Commission (NASTEC) for the year 2009
- Joint Secretary of the Sri Lanka Association for Fisheries and Aquatic Resources (SLAFAR) in 2008/2009, 2009/2010.
- Member of the Committee for Popularization of Science (CPS) of the Sri Lanka Association for Advancement of Science (SLAAS) – 2009, 2010, 2011, 2012
- Member of the Science Education Committee (SEC) of the Sri Lanka Association for Advancement of Science (SLAAS) – 2009
- Member of the Section B of the Sri Lanka Association for Advancement of Science (SLAAS) – 2007, 2008 and 2009
- President of SLAAS Section B for the year 2008.
- Steering Committee member and the Joint Secretary of the Young Scientists Forum (YSF) of the National Science and Technology Commission (NASTEC) for the year 2008
- Elected Vice-President of SLAAS Section B for the Year 2007.
- Editor of the Agricultural Engineering Society of Sri Lanka during 2004/2005.
- Editorial board member of the Geo-Informatics Society of Sri Lanka 2004/2005.
- Executive committee member and editorial board member of the Young Scientist Forum (2005/2006) of the National Science and Technology Commission Ministry of Science and Technology
- Assistant Treasurer of the Agricultural Engineering Society of Sri Lanka for 2000/2001.

**Other Society  
Activities**

- Executive Committee Member of the Universiti Putra Malaysia International Students' Association during 2002/2003 academic year
- Secretary General of the Universiti Putra Malaysia International Students' Association during 2003/2004 academic year.

**UNIVERSITY ADMINISTRATION**

- Vice Chancellor, South Eastern University of Sri Lanka from 22 June 2015 to 18 June 2018 and 10 August 2018 to date
- Coordinator of the QIG, Window 2 of the HETC – ENCM study programme 2012, 2013, 2014 and 2015
- Coordinator of the Environmental Conservation and Management Degree programme for the academic years 2007/2008, 2009/2010.
- Departmental Webmaster from 22.10.2007 to 21-10-2008.
- Person in Charge of Activity 4.1 – Establishing the centre for “Sustainable Use of Biological Resources” from 15 July 2008.
- Member of the Board of Survey appointed by the Vice-Chancellor to take stocks at the Department of Physics in 2007, 2008, 2009, University of Kelaniya.
- Acting Person-in-Charge for the IRQUE project Activity 3.2 Development of Teaching/Learning Material to Enhance Self-Learning (2006), University of Peradeniya
- Member of the Faculty of Agriculture Quality Assurance (QA) Cell, 2006/2007, University of Peradeniya
- Worked as academic sub-warden and senior academic sub-warden of Hilda Obeyesekera Hall and Arunachalam Hall, University of Peradeniya.